IN THE SPECIFICATION

*Please replace the title of this application with the following title:*

--LOUDSPEAKER ARRAY AUDIO SIGNAL SUPPLY APPARATUS--

*On Page 1, following the Title and before the Technical Field section, please insert the following:*

--This application is a U. S. National Phase Application of PCT International Application PCT/JP2005/000158 filed on January 4, 2005.--

On *Pages 9 - 10, replace the paragraph spanning these pages with the following:*

-- The weighting unit 500 is constituted by the same number of multipliers 510-k as the loudspeaker units 210-k, and adds to the audio signals, which are obtained through the delay process and which are transmitted by the delay circuit 300, a weight using a weight coefficient, such as a window function coefficient or a gain coefficient. The amplification unit 600 is constituted by the same number of amplifiers 610-k as the loudspeaker units 210-k, and amplifies the audio signals ~~to which a predetermined weight has been added by~~ from the weighting unit 500. The audio signals amplified by the amplification unit 600 are transmitted to the individual loudspeaker units 210-k that constitute the loudspeaker array 200, and are output as sound waves. The sound waves output by the loudspeaker units 210-k acquire the same phase at an arbitrary point (point of focus) in space, and the efficient directivity (hereinafter, a narrow directivity), where the sound pressure in the point of focal direction is locally high, is provided.--

*On Pages 11 - 12, replace the paragraph spanning these pages with the following:*

-- A loudspeaker array 200 shown in Figs. 4 and 5 is constituted by seven loudspeaker units 210-1 to -7, which are arranged linearly at about the same intervals. Multipliers ~~410~~510-1 to -7 that constitute a weighting unit 500 add to audio signals, which are to be supplied to the corresponding loudspeaker units 210-1 to -7, weights (gains) using Bessel array coefficients C1 to C7, which are introduced by the Bessel function. Since the weighting process based on the

Bessel function is performed in this manner, directivity (hereinafter wide directivity) for which it appears a nondirectional simple sound source radially emitted a sound wave is provided..--